

Table of Contents

GRADES 5-6:

Journey to the Unknown	Focus: Ocean Exploration	1
Coral Mania	Focus: Geroqe's Bank	11
What's New?	Focus: Hudson Canyon	15
What on Earth is That?	Focus: Blake's Ridge	21

GRADES 7-8

Come on Down!	Focus: Ocean Exploration	27
Biodiversity of Deep Sea Corals	Focus: George's Bank	33
Down in the Dumps	Focus: Hudson River Canyon	37
Design a Deep Sea Vertebrate or Invertebrate	Focus: Blake's Ridge	41

GRADES 9-12

Designing Tools for Ocean Exploration	Focus: Ocean Exploration	45
Mapping the Canyon	Focus: Bathymetry	59
Let's Bet on Sediments!	Focus: Sediments	63
It's a Gas!	Focus: Gas Hydrates	69
Finding the Way	Focus: Underwater Navigation	83
Living in Extreme Environments	Focus: Biological Sampling Methods	93